

ABSTRACT OF THE DISCLOSURE

A multilayer barrier film structure of an organic EL display panel has a multilayered body formed on a surface of a supporting substrate. The multilayered body includes an intermediate film for which the number of molecules of oxygen, water and the like permeating through is reduced upon heating or irradiation and inorganic films formed so as to sandwich the intermediate film. The film structure includes a sealing region where the intermediate film has been transformed by heating or irradiation provided so as to surround the multilayered body on the surface of the supporting substrate. In a method of manufacturing an organic EL display panel comprising an organic EL device and a supporting substrate supporting the organic EL device, a first inorganic film is formed so as to cover a surface of a supporting substrate, an intermediate film for which the number of molecules of oxygen, water and the like permeating through is reduced upon heating or irradiation is formed on the first inorganic film, a second inorganic film is formed on the intermediate film, an organic EL device comprising first and second display electrodes and at least one organic functional layer comprising an organic compound formed so as to be sandwiched between the first and second display electrodes is formed on the second inorganic film, and a perimeter outside the organic EL device is subjected to heating or irradiation, to form a sealing region where the intermediate film has been transformed surrounding the organic EL device.